



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017



Job No.: CTCE/BBMP/PMC/DD/Consultants/14/21-22



Dated:15.07.2021

To,
Executive Engineer,
Dasarahalli Division,
Bruhat Bangalore Mahanagara Palike,
Bangalore.

Sir,

Sub: Consultancy Services for the work of Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.

Ref: BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020

We are herewith forwarding to M/s. KRIDL, First and Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.97,67,569.00 (Rupees Ninety Seven Lakh Sixty Seven Thousand Five Hundred and Sixty Nine Only) for further needful.

Thanking you,



Yours faithfully,
For Civil-Tech Consultants and Engineers

[Signature] 15/7/2021
Chief Executive Officer

[Signature]
EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore-57.

[Signature]
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No. : CTCE/BBMP/PMC/DD/2021/14

Date:15.07.2021

To,
Executive Engineer,
Dasarahalli Division,
Bruhat Bangalore Mahanagara Palike,
Bangalore.



COMPLIANCE REPORT

Dear Sir,

Reference : BBMP/EE/DD/WO/594/2019-20 Dated : 18.03.2020

Name of work: Construction of CC roads and other works at Chikkasandra Colony in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.

With respect to the above subject & name of the work, we have supervised the work and the quantity and quality of below mentioned items of the work was found to be completed satisfactorily for the 1st & Part bill.

Sl. No	Description of Work	Unit	Qty
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.II.By Mechanical Means A.Cement Concrete Grade M15 & M20.	Cum	160.23
2	Removing B.S.Slab of drain and stacking.	Sqm	531.05
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	728.21
4	Providing and Laying in position plain cement concrete mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specification.	Cum	132.36
5	Providing and laying Design Mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticiser @ 3 liters confirming to IS 9103-1999 reaffirmed-2008 i) Upto 5m height.	Cum	225.22

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Sl. No	Description of Work	Unit	Qty
6	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 1600 & 2200-do-, TMT bars Fe 500	Tonne	13.53
7	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges, curing and concrete finished surface on both sides etc., and complete as per the directions of Engineer in charges.	Sqm	642.69
8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	194.12
9	Scarifying kankar / gravel / metal crust by mechanical means upto 150mm thick, disposal of stuff including cost of all labour charges HOM complete as per specifications.	Sqm	1941.2
10	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	1941.2
11	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a hatching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601 of MORTH V Revision and IS 456 Table-5 -do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver.	Cum	194.12

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ಜಿಲ್ಲಾ ಮಟ್ಟ, ಬೆಂಗಳೂರು



#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

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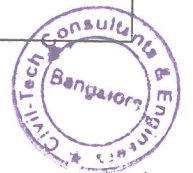
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Sl. No	Description of Work	Unit	Qty
12	Providing, laying, spreading and compacting stone aggregates to Wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper site, laying in uniform layers with paver in Sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications.	Cum	194.12
13	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum, Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts confirming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charges of machineries, all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.	Cum	310.59
14	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No's	1591
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	250.6

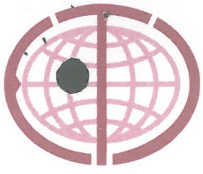
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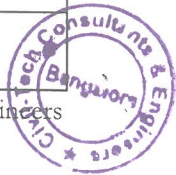
Sl. No	Description of Work	Unit	Qty
16	Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications.	Cum	728.21
17	Loading and Unloading of Stone Boulder / Stone aggregate/Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and	Cum	646.4
18	Cost of haulage Excluding Loading and Unloading MORTH-100 / Chapter 1 case-I surface road	Cum	1374.61
19	Filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m complete as per specifications.		
	a) 40mm Jelly	Cum	1.11
	b) 20mm Jelly	Cum	1.11
	c) Coarse Sand	Cum	0.83
	d) Fine Sand	Cum	0.55
	e) 12.5mm chips	Cum	0.83
20	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-995 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant IS with all lead and lifts including encasing the pipe around to a depth of not less than 15cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers ect. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE grade PE80-PN6.00, 630 mm dia. (Perforated pipe for Rain water Harvesting Pit).	Rmt	16.2
21	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer	Sqm	2.79

Thanking You

For Civil-Tech Consultants and Engineers



15/7/2021
Authorized Signature



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